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1 Posters: Are web pages characterized by color? Norifumi Murayama, Suguru Saito, Manabu Okumura

May 2004 Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters

Full text available: pdf(144.40 KB) Additional Information: full citation, abstract, references, index terms

When human guess the content of a web page, not only the text on the page but also its appearance is an important factor. However, there have been few studies on the relationshipbetween the content and visual appearance of a web page. We investigating the tendencybetween them, especially web content and color use, we found a tendency to use color for some kinds of content pages. We think this result opens the way to estimating web content using color information.

Keywords: color, contents of web page

<sup>2</sup> Color gamut mapping and the printing of digital color images Maureen C. Stone, William B. Cowan, John C. Beatty October 1988 ACM Transactions on Graphics (TOG), Volume 7 Issue 4

Full text available: pdf(6.06 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Principles and techniques useful for calibrated color reproduction are defined. These results are derived from a project to take digital images designed on a variety of different color monitors and accurately reproduce them in a journal using digital offset printing. Most of the images printed were reproduced without access to the image as viewed in its original form; the color specification was derived entirely from calorimetric specification. The techniques described here are not specific ...

<sup>3</sup> A multiscale model of adaptation and spatial vision for realistic image display. Sumanta N. Pattanaik, James A. Ferwerda, Mark D. Fairchild, Donald P. Greenberg July 1998 Proceedings of the 25th annual conference on Computer graphics and interactive techniques

Full text available: pdf(1.59 MB)

Additional Information: full citation, references, citings, index terms

Keywords: adaptation, realistic imaging, spatial vision, tone reproduction, visual perception

4 Session P6: displays and color maps: The "Which Blair Project": a quick visual method



for evaluating perceptual color maps

Bernice E. Rogowitz, Alan D. Kalvin

October 2001 Proceedings of the conference on Visualization '01

Full text available: pdf(408.79 KB) Publisher Site

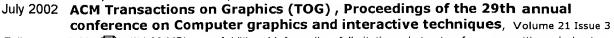
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We have developed a fast, perceptual method for selecting color scales for data visualization that takes advantage of our sensitivity to luminance variations in human faces. To do so, we conducted experiments in which we mapped various color scales onto the intensitiy values of a digitized photograph of a face and asked observers to rate each image. We found a very strong correlation between the perceived naturalness of the images and the degree to which the underlying color scales increased mon ...

Keywords: human color vision, internet color, perceptual color scales, visual artifacts in visualization

<sup>5</sup> Transferring color to greyscale images

Tomihisa Welsh, Michael Ashikhmin, Klaus Mueller



Full text available: pdf(4.03 MB)

Additional Information: full citation, abstract, references, citings, index terms

We introduce a general technique for "colorizing" greyscale images by transferring color between a source, color image and a destination, greyscale image. Although the general problem of adding chromatic values to a greyscale image has no exact, objective solution, the current approach attempts to provide a method to help minimize the amount of human labor required for this task. Rather than choosing RGB colors from a palette to color individual components, we transfer the entire color "mood" of ...

Keywords: color, image processing, texture synthesis, video

<sup>6</sup> Colour, rendering and tone-mapping: A tone mapping algorithm for high contrast images Michael Ashikhmin



July 2002 Proceedings of the 13th Eurographics workshop on Rendering

Full text available: pdf(3.05 MB)

Additional Information: full citation, abstract, references, citings, index terms

A new method is presented that takes as an input a high dynamic range image and maps it into a limited range of luminance values reproducible by a display device. There is significant evidence that a similar operation is performed by early stages of human visual system (HVS). Our approach follows functionality of HVS without attempting to construct its sophisticated model. The operation is performed in three steps. First, we estimate local adaptation luminance at each point in the image. Then, a ...

<sup>7</sup> Reception and posters: Colour picking: the pecking prder of form and function Frank Nack, Amit Manniesing, Lynda Hardman



November 2003 Proceedings of the eleventh ACM international conference on Multimedia

Full text available: pdf(399.89 KB) Additional Information: full citation, abstract, references, index terms

Multimedia presentation generation has to be able to balance the functional aspects of a presentation that address the information needs of the user and its aesthetic form. We demonstrate our approach using automatic colour design for which we integrate relevant aspects of colour theory. We do not provide a definition of the relative importance of form versus function, but seek to explore the roles of subjective elements in the generation process.

**Keywords**: automatic colour design, colour harmonisation, multimedia semantics, style-driven multimedia presentation generation

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[Abstract]

### 4 Color superhistograms for video representation

Dimitrova, N.; Martino, J.; Agnihotri, L.; Elenbaas, H.; Image Processing, 1999. ICIP 99. Proceedings. 1999 International Conference on , Volume: 3 , 24-28 Oct. 1999 Pages:314 - 318 vol.3

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1 Transferring color to greyscale images Tomihisa Welsh, Michael Ashikhmin, Klaus Mueller

July 2002 ACM Transactions on Graphics (TOG), Proceedings of the 29th annual conference on Computer graphics and interactive techniques, Volume 21 Issue 3

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We introduce a general technique for "colorizing" greyscale images by transferring color between a source, color image and a destination, greyscale image. Although the general problem of adding chromatic values to a greyscale image has no exact, objective solution, the current approach attempts to provide a method to help minimize the amount of human labor required for this task. Rather than choosing RGB colors from a palette to color individual components, we transfer the entire color "mood" of ...

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Applicant: APPLE COMPUTER (US)

EC: G09G5/02

IPC: G09G5/02

Publication info: US6697079 - 2004-02-24

2 Translucent colour display of objects on an image background

Inventor: UGAJIN MASASHI (JP)

Applicant: KONAMI CO LTD (JP)

EC: G09G5/02C; G06T11/00C

IPC: G09G5/02

Publication info: EP0869473 - 1998-10-07

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Applicant: APPLE COMPUTER (US)

EC: G09G5/02

IPC: G09G5/02

Publication info: US6697079 - 2004-02-24

Color cosmetic selection system

Inventor: FLYNN MADELINE DEMAYO (US)

Applicant: FD MAN INC (US)

EC:

IPC: G06T11/00; A45D44/00

Publication info: TW511040 - 2002-11-21